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No. 49] NEW DELHI, SATURDAY, DECEMBER 4, 1993 (AGRAHAYANA 13, 1915)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
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Calcutta, the 4th December 1993

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1—357 GI/93

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Telegraphic address "PATENTOFIS".

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234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

Rest of India.

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एकसूत्र तथा अभिकल्प

कलकत्ता, दिनांक 4 दिसम्बर 1993

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोवर परले (पश्चिम).
बम्बई-400013।

गजराज पट्टाराम तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोवा, दमन तथा
दीव एवं दादरा और नगर हवेली।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
मरम्बती मार्ग, करोल बाग,
नई दिल्ली-110005।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600002।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
शिमला तथा एमिनीदिब द्वीप।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),
निराम पीदेस, द्वितीय बहुतलीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश चोस रोड,
कलकत्ता-700020।

भारत का अन्वेषण क्षेत्र।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य दस्तावेज पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदायगी या तो तब की जाएगी जबकि उपर्युक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा बैंक बादेश या जहां उपर्युक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा बैंक द्वारा की जा सकती है।

CORRIGENDUM

In the Gazette of India Part-III, Sec. 2, dated the 21st November, 1992.

(a) In page-1365, Col. 2, for application for Patent No. 646/Mas/90 filed on 16th August, 1990 read the applications as SOCIETE DES PRODUITS NESTLE S.A. instead of SOCIETE LES PRODUITS NESTLE S. A.

(b) In page-1366, col-1 for application for Patent No. 647/Mas/90 filed on 16th August 1990, read the applications as SOCIETE DES PRODUITS NESTLE S. A. instead of SOCIETE LES PRODUITS NESTLE S. A.

(c) In page-1366, col. 2 for application for Patent No. 743/Mas/90 filed on 19th September, 1990 read the applicants as KORFA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY instead of KORFA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY.

(d) In page-1370, col. 1 for application for Patent No. 957/Mas/90 filed on 27th November, 1990 read the applicants of SOCIETS DES PRODUITS NESTLE S. A. instead of SOCIETE LES PRODUITS NESTLE S.A.

In the Gazette of India, Part III, Sec. 2, dated the 28th November, 1992. Page-1391, col. 1, for application for Patent No. 1024/Del/87 filed on 1st December, 1987 read the applicants as COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH instead of COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.

In the Gazette of India, Part III, Sec. 2, dated the 5th December, 1992. (a) In page-1407, col.1 for application for Patent No. 451/Mas/88 filed on 29th June, 1988 read the accepted No. as 171667.

(b) In page-1407, col. 1, for application for Patent No. 455/Mas/88 filed on 30th June, 1988 read the applicants as CATERPILLAR INC.

(c) In page-1410, col. 2, for application for Patent No. 577/Mas/88 filed on 11th August 1988 read the accepted No. as 171677.

(d) In page-1413, col-2 for application for Patent No. 798/Mas/88 filed on 15th November, 1988 read the accepted No. as 171684 instead of 171689.

In the Gazette of India, Part-III, Sec. 2, dated the 19th December, 1992. (a) In page-1442, col 1, for application for Patent No. 7/Cal/91 filed on 1st January, 1991 read the applicants as E.I. DU PONT DE NEMOURS AND COMPANY, instead of E.I DU PONT NEMOURS AND COMPANY.

(b) In page-1447, col-1 for application for Patent No. 644/Mas/88 filed on 13th September, 1988 read the applicants as FIVES CALL BABCOCK instead of FIVES-CALL BOB-COCK.

In the Gazette of India, Part III, Sec. 2, dated the 26th December, 1992. page-1469. col. 2 for application for Patent No. 102/Bom/90 filed on 7th May, 1990 read the accepted No. as 171754 instead of 171759.

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE AT 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20.

The dates shown in the crescent brackets are the dates claimed under section-135 of the Patents Act, 1970

11th October, 1993.

- 597/Cal/93. Dr. Mark Eisenberg. A composite Living Skin Equivalent process for its preparation and a method of preparing a "Test Kit". (Divided out of No. 786/Cal/91 antedated to 21st October, 1991)
- 598/Cal/93. Hosch Enterprises. Scraper element for arrangement at the discharge end of scraper device for conveyor belts.
- 599/Cal/93. Siemens Aktiengesellschaft. Protection against corrosive and erosive attacks at temperatures up to about 500°C for a substrate comprising chrome steel.
- 600/Cal/93. Siemens Aktiengesellschaft. Steam Generator.
- 601/Cal/93. Armco Steel Company, L.P. Induction heated meniscus coating vessel.
- 602/Cal/93. Hoechst Celanese Corporation. Vinyl Acetate Catalyst preparation method.
- 603/Cal/93. The Tata Iron and Steel Company Limited. A Control System.
- 604/Cal/93. The Tata Iron and Steel Company Limited. A Device for Speed Control of a synchronous induction motor.

12th October, 1993

- 605/Cal/93. Combustion Engineering, Inc. High Efficiency Exhauster for a Solid fuel pulverizing and firing system.

13th October, 1993

- 606/Cal/93. Krone Aktiengesellschaft. Distribution device, in particular for the main distribution device of Telephone and data lines.
- 607/Cal/93. Supracolor Finanz Ag. An apparatus for withdrawing one sheet from a stack of sheets.
- 608/Cal/93. Emerson Electric Co. A Bearing retention means, capable of being used in a dynamoelectric machine. (Divided out of No. 838/Cal/89; antedated to 06-10-89).

ALTERATION OF DATE UNDER SECTION 16

Patent No. 172798

(606/Cal/90).

Ante-dated to 17th July 1987.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months,

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से जिस पर पेटेंट अनुदान का विरोध करने की इच्छा कोई व्यक्ति, इसके निगम का तात्पर्य से चार (4) महीने या आग्रस ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने का अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्रित एवं उपयुक्त कार्यालय का एस विरोध को सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संबंध में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतरराष्ट्रीय वर्गीकरण के अनुरूप है।"

रूपांकन (चित्र आरेख) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार, जिस उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश को पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों द्वारा जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Cl.: 153+170A.

172791

Int. Cl.: B 24 B 9/16.

C 22 C 26/00.

PROCESS FOR PRODUCING DIAMOND COMPACTS.

Applicant: THE AUSTRALIAN NATIONAL UNIVERSITY OF ACTON, AUSTRALIAN CAPITAL TERRITORY, 2601, AUSTRALIA.

Inventor: ALFRED EDWARD RINGWOOD.

Application No. 620/Cal/89; filed on 01st August 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

7 Claims

A process for producing a diamond compact for cutting, turning, drilling and otherwise working ultra-hard ceramic, carbides and rocks comprising:

- (i) intimately mixing a mass of particulate diamond crystals with a bonding agent comprising silicon in the proportions 60—95 volume per cent of diamond to 40—5 volume per cent of bonding agent and
- (ii) subjecting the mixture within a confining space to a time profile of temperature and pressure, the temperature being in the range of 1100—1600°C and the mean

confining pressure being in the range of 10 kbars to 40 kbars, the time profile of temperature and pressure lying within the graphite stability field, the time profile of temperature and pressure persisting for a period greater than 3 minutes, appropriate to bring about the result that silicon in the bonding agent reacts extensively with carbon in the diamond crystals to form an interstitial phase of silicon carbide having a melting point above 1600°C providing a strong bond between the diamond crystals while inhibiting the formation of free graphite by retrogressive transformation from diamond, the time profile also being appropriate to result in substantial plastic deformation of the diamond crystals whereby abundant crystalline defects and face to face contact between the diamond crystals are produced, and also appropriate to result in substantial chemical equilibrium between the bonding agent and the diamond crystals whereby there is produced a thermal stable diamond compact having a minimum melting point above 1600°C and a compressive strength above 10 kbars at ambient temperature; and

(iii) introducing additional material selected from a source of nitrogen and a source of phosphorus and mixtures thereof into the confining space, prior to, during or after the application of said time profile of temperature and pressure in sufficient amount to bring about, in concert with the time profile of temperature and pressure, the result that the silicon carbide bond in the compact contains more than 500 parts per million of nitrogen, phosphorus or mixtures thereof and the compact possesses an electrical resistivity smaller than 0.2 ohm. cm.

(Compl. Specn. 23 pages.

Drgn. 1 sheet)

Cl.: 39 K.

172792

Int. Cl.: C 01 G 23/047.

PROCESS OF PREPARING FREE FLOWING POWDERS OF NON-PIGMENTARY TITANIUM DIOXIDE GRANULAR AGGREGATES.

Applicant: KERR-MCGEE CHEMICAL CORPORATION OF KERR-MCGEE CENTRE, OKLAHOMA CITY, OKLAHOMA 73125, UNITED STATES OF AMERICA.

Inventors: (1) PHILIP MILES STORY, (2) JOHN ROBERT BRAND.

Application No. 670/Cal/89; filed on 16th August 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

13 Claims

A process for preparing free flowing powders of nonpigmentary titanium dioxide granular aggregates comprising;

drying solid preforms of flocculated pigmentary titanium dioxide particles, taken at elevated temperatures ranging from 125°C to 700°C; and

subjecting said dried solid preforms to comminution to effect a reduction in size of said solid preforms to provide said free flowing powders of nonpigmentary titanium dioxide granular aggregates, said free flowing powders having bulk densities ranging from 0.5 g/cc to 3.5 g/cc and wherein a substantial portion of the nonpigmentary granular aggregates comprising said free flowing powders range in size from a minimum limiting particle size of 150 microns to a maximum limiting particle size of 1700 microns, and, optionally, wetting said free flowing powders of nonpigmentary titanium dioxide granular aggregates and subjecting said wetter free flowing powders to agglomeration.

(Compl. Specn. 19 pages.

Drgn. Nil)

Cl.: 35 A & C; 39 L.

172793

Int. Cl.: B 28 B 23/00.

C 04 B 28/06.

PROCESS FOR THE PREPARATION OF BAUXITE BASED LOW CEMENT CASTABLES.

Applicants:

- (1) SAROJ KUMAR MITRA.
- (2) HARDEV PRASAD SINHA.
- (3) NAISHDHAN VENKATA SURYA KRISHNA.
- (4) KENNATH NAVEEN DAS.
- (5) BISWANATH GHOSH.
- (6) HEMANT MANOHAR NERURKAR.
- (7) DR. ATINTRA NATH MITRA.
- (8) DR. TRIDIBESH MUKHERJEE OF TATA IRON & STEEL CO. LTD., JAMSHEDPUR, BIHAR, INDIA, AND
- (9) TATA IRON & STEEL CO. LTD OF JAMSHEDPUR, BIHAR, INDIA.

Inventors:

- (1) SAROJ KUMAR MITRA.
- (2) HARDEV PRASAD SINHA.
- (3) NAISHDHAN VENKATA SURYA KRISHNA.
- (4) KENNATH NAVEEN DAS.
- (5) BISWANATH GHOSH.
- (6) HEMANT MANOHAR NERURKAR.
- (7) DR. ATINTRA NATH MITRA.
- (8) DR. TRIDIBESH MUKHERJEE.

Application No. 687/Cal/89; filed on 21-08-1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

7 Claims

A process for the preparation of bauxite based low cement castables which comprises preparing a dry mix of calcined bauxite containing at least 30% Al_2O_3 , high alumina cement bonding material and other known additives such as plasticiser deflocculant, organic and inorganic reagents and steel fibers, in amounts upto 6% by wt. of final preparation, preparing a wet mix thereof using water, subjecting the wet mix to the preparation of shaped products in a suitable mould, subjecting the moulded material to air drying followed by heating the air dried product to temperatures around 110°C—200°C, and allowing the product to soak at said temperature to develop satisfactory properties such as bulk density, porosity, CCS and modulus of rupture.

(Compl. Specn. 13 pages.

Drgn. Nil)

Cl.: 35 E.

172794

8 Claims

Int. Cl.: C 04 B 35/00.

METHOD OF BONDING A PLURALITY OF BODIES CONSISTING OF METALS, CERAMICS, CERAMICS COMPOSITE AND THE LIKE.

Applicant: LANXIDE TECHNOLOGY COMPANY, LP OF FRALEE INDUSTRIAL PARK, NEWARK, DELAWARE 19714-6077, UNITED STATES OF AMERICA.

Inventors: (1) EUGENE SANGMOO PARK, (2) MICHAEL KEVORK AGHJANIAN (3) CHRISTOPHER ROBIN KENNEDY.

Application No. 798/Cal/89; filed on 29th September 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

40 Claims

A method for bonding a plurality of bodies, as herein described, comprising:

providing a substantially non-reactive filler, as herein defined, between at least a portion of at least two bodies to be bonded; and

spontaneously infiltrating in the manner such as herein described, at least a portion of the filler with molten matrix metal, as herein described, to form a metal matrix composite, as herein described, between said at least two bodies.

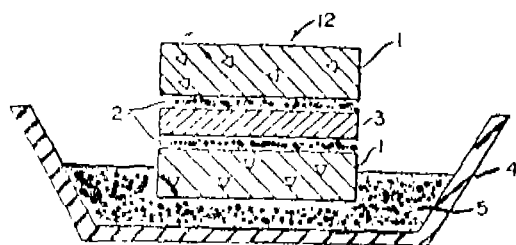


Fig. 1

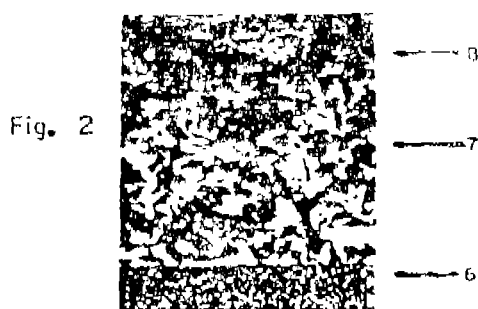


Fig. 2

(Compl. Specn. 40 pages.

Drgns. 2 sheets)

Cl.: 85, C, R.

172795

Int. Cl.: F 27 B 1/20.

CHARGING ARRANGEMENT FOR SHAFT FURNACES, IN PARTICULAR BLAST FURNACES.

Applicant: KORTEC AG. OF BAARERSTRASSE 21, 6300 ZUG SWITZERLAND.

Inventor: RALPH WEBER.

Application No. 824/Cal/89; filed on 03rd October 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

A charging arrangement for shaft furnace, in particular for blast furnaces,

comprising a distributor chamber (9) which is arranged above the shaft furnace (1) and which includes a plurality of discharge openings (11) which are distributed over the bottom surface of the distributor chamber and to which are mounted distributor pipes (12) which terminate in the upper region of the shaft furnace at a level lower than the upper gas outlet (4) of the shaft furnace and which feed the charging material (7) to the furnace, distributed over the cross-section thereof, and

further comprising a lock chamber (10) which is arranged above the distributor chamber (9) and to which the charging material can be fed from above by a filling hopper (18) having an opening (19) for the charging material and which includes a closable bottom opening (14) for passing the charging material from the lock chamber (10) into the distributor chamber (9), characterized in that the bottom of the lock chamber (10) is in the form of a separating wall (8) of a container (3), the separating wall including at least two individually closable bottom openings (14) outside its centre and distributed over its periphery.

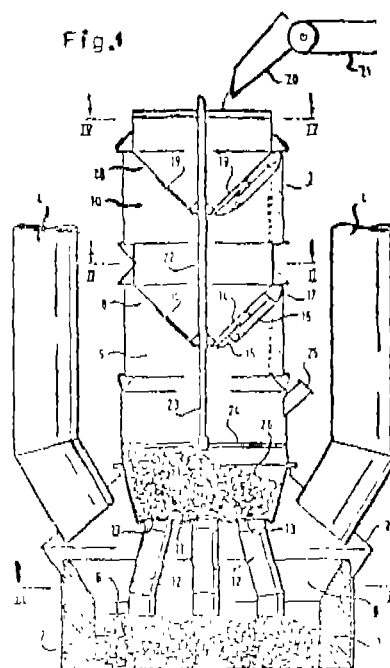


Fig. 1

(Compl. Specn. 13 pages.

Drgns. 2 sheets)

Cl.: 129 H.

172796

Int. Cl.: B 23 D 5/02.

ROTARY SLOT CUTTING TOOLS AND INSERTS THEREFOR.

Applicant: A. E. BISHOP & ASSOCIATES PTY LTD. OF 19 BUFFALO ROAD, GLADESVILLE, NEW SOUTH WALES, AUSTRALIA.

Inventor: DAVID WILLIAM SCOTT.

Application No. 870/Cal/89; filed on 19th October 1989.

(Convention No. PJ 1055; dated 20th October 1988; Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

5 Claims

A rotary slot cutting tool comprising a substantially disc-shaped body having first and second lateral surfaces substantially parallel to the plane of rotation and substantially perpendicular to the axis of rotation of the body and having an axially centred bore for receipt of a support shaft of a driving machine spindle, a plurality of apertures spaced about the periphery of the body and extending from one lateral surface to the other and having an opening to the periphery of the body, each aperture having in it a cutting insert, the apertures being bounded by faces closely engaging faces of the insert in such a manner as to prevent radial movement of the insert relative to the axis of the body, each aperture being shaped in such a manner that on the application of a force acting radially outwards on the circumference of the bore of the body, faces of the aperture are caused to spread apart to permit removal and replacement of the inserts in an axial direction, the inserts being held in place by residual elastic force in the disc.

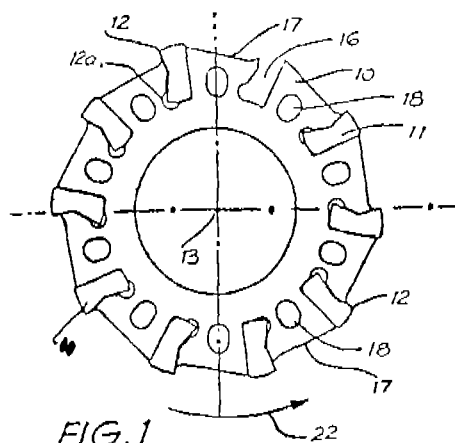


FIG. 1

(Compl. Specn. 10 pages.)

Drgns. 3 sheets)

Cl.: 109, 23-H

172797

Int. Cl.: A44 C 17/00, 17/02.

A STORAGE STRIP FOR GEMS OR OTHER SMALL PIECES.

Applicant: D. SWAROVSKI & CO. OF SWAROVSKIS-TRASSE, 6112 WATTENS, AUSTRIA.

Inventor: MARTIN POLL.

Application No. 286/Cal/90; filed on 05th April 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

4 Claims

A storage strip (1) for gems (20) or other small pieces, comprising a plastic sheet having depressions (10) for receiving the gems (20), the depressions (10) conforming in shape with at least part of the profile of the gems (20) to be positioned therein and being disposed in rows, while holding lips (11, 12) are provided adjacent the depressions (10) so as to engage in the closed state, over the oppositioned gems (20) and thereby fix them in position, and the holding lips (11, 12) are adapted to be disengaged from the gems (20) by elastic deformation, characterized in that the holding lips (11, 12) as herein described extend continuously in the longitudinal or transverse direction of the storage strip (1) and have a profile that is continuously open downwardly, so that they can be disengaged from the gems (20) by stretching the storage strip (1) perpendicular to the direction in which the holding lips (11, 12) are disposed.

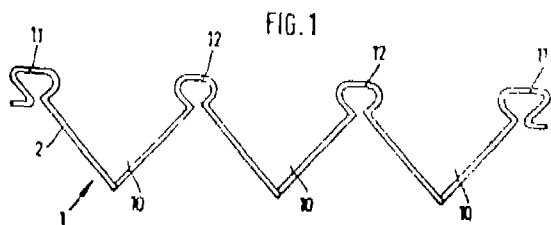


FIG. 1

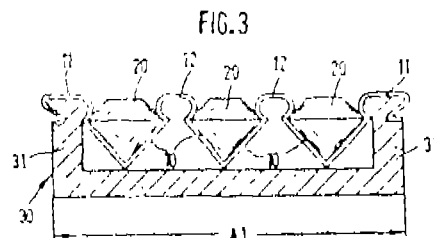


FIG. 3

(Compl. Specn. 13 pages.)

Drgns. 4 sheets)

Cl.: 37 A.

172798

Int. Cl.: B 04 B, 3/00.

A METHOD FOR PROCESSING MATERIAL MIXTURES IN A PUSHER CENTRIFUGE.

Applicant & Inventors: DR. WERNER STAHL of STAHL-BUHLWEG 8, D-6740 LANDAU, WEST GERMANY.

Application No. 302/Cal/90; filed on 12th April 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

16 Claims

In a method of processing material mixtures in a pusher centrifuge having a pusher plate cyclically moved relative to a perforated basket in the axial direction between a forward and a retracted position in a forward or rearward movement, the step of discontinuously supplying a material mixture synchronously with respect to the pusher cycle of said pusher plate to obtain the material mixture in solid cake form on said perforated basket characterized in that:—

- at least the preponderant material mixture quantity is only supplied when the pusher plate has started its return movement from the advanced position.
- the mixture supply is completely ended a material-dependent inoperative time interval before the time at which the pusher plate starts the forward movement from the retracted position said predetermined inoperative time interval is so set as a function of the characteristics of the material mixture, that the solid cake has, as a result of partial dewatering, assumed such a great shear strength that it can be slid down from the perforated basket by the pusher-plate without any significant compression.

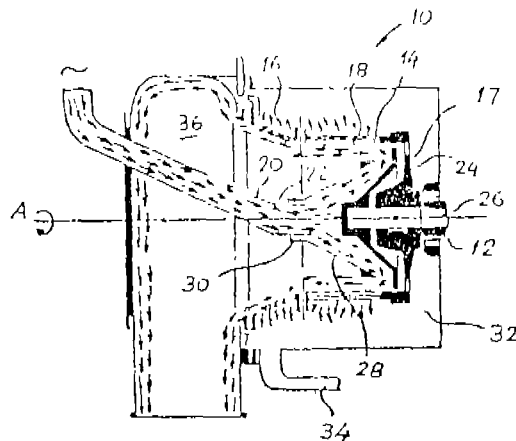


Fig. 1

(Compl. Specn. 24 pages.)

Drgns. 4 sheets)

Cl.: 206 B.

172799

Cl.: 123-1

172800

Int. Cl.: G 06 C 1/00.
G 06 K 15/00.

A PERSONAL COMPUTER SYSTEM.

Applicant: COMMODORE-AMIGA, INC. OF 983 UNIVERSITY AVENUE, LOS GATOS, CALIFORNIA 95030. UNITED STATES OF AMERICA.

Inventors:

- (1) JAY GIENN MINER.
- (2) JOSEPH CHARLES DECUIR.
- (3) RONALD HUGH NICHOLSON.
- (4) AKIO TANAKA.
- (5) DAVID WAYNE DEAN.

Application No. 606/Cal/90; filed on 19th July 1990.

(Divided out of No. 556/Cal/87; antedated to 17-7-1987).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972) Patent Office, Calcutta.

32 Claims

A personal computer system to provide video output signals to a raster display, which comprises:

central processor means for executing program instructions;

memory means including a plurality of addresses for storing bit-mapped image data, wherein the visual characteristics of a pixel are defined by bit-mapped image data stored in at least one address corresponding to the pixel;

data bus means coupled to the processor means and the memory means for transferring data;

address bus means coupled to the processor means and the memory means for transferring an address to the memory means;

pointer means, coupled to the address bus means, for selecting a plurality of source addresses in the memory means as a plurality of sources of unprocessed bit-mapped image data to be transferred on the data bus means, and for selecting a destination address in the memory means as a destination of processed bit-mapped image data to be transferred on the data bus means blitter means, coupled to the data bus means, for transferring a block of bit-mapped image data between the blitter means and the memory means, and for processing the block of bit-mapped image data, wherein the blitter means includes:

means for receiving from the data bus means unprocessed bit-mapped image data stored in the memory means at the plurality of source addresses; logic means, for executing a logical operation on unprocessed bit-mapped image data simultaneously input from the receiving means for each of the plurality of source addresses, to generate processed bit-mapped image data; and means for providing the processed bit-mapped image data to the data bus means for storage in the memory means at the destination address; and

image display means, for receiving bit-mapped image data stored in at least one address corresponding to a pixel, and for generating the video output signals determining the visual characteristics of the pixel.

(Compl. Specn. 91 pages

Drgns. 11 sheets

Int. Cl.: C 05 D 11/10.

PROCESS FOR PRODUCING A SLOW-RELEASING ZINC FERTILIZER.

Applicant & Inventor: SANJAY KUMAR RAY. OF 88/3; JHOWTALA ROAD, CALCUTTA 700 017, INDIAN. CHANDRIKA VARADACHARI 4A RATNABALI, 7A JUDGES COURT ROAD, CALCUTTA-700 027, INDIAN. KUNAL GHOSH OF 40 KUMUD GHOSAL ROAD, CALCUTTA-700 057, INDIAN.

Application No. 703/Cal/90; filed on 13th August 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972) Patent Office, Calcutta.

19 Claims

A process for the manufacture of slow-releasing zinc fertilizer, which process comprises (a) heating zinc oxide with phosphoric acid of concentration between 30% and 60% P_2O_5 at $150^\circ C$, (b) further heating at $300^\circ C$ (c) mixing the resultant mass with water, (d) treating with a basic compound such as herein described and (3) finally obtaining a dried powder.

(Compl. Specn 12 pages.

Drgns. Nil)

Ind. Cl.: 181 [GROUP—XLV(6)]

172801

Int. Cl.: F 16 J 15/00.

A SEAL FOR USE BETWEEN A PAIR OF SUBSTANTIALLY CONCENTRIC ELEMENTS CAPABLE OF RELATIVE MOVEMENT WITH RESPECT TO EACH OTHER.

Applicant: DARTNALL ENGINEERING & INNOVATION PTY. LTD. A COMPANY INCORPORATED IN THE STATE OF WESTERN AUSTRALIA OF 15 ALNESS STREET, APPLECROSS IN THE STATE OF WESTERN AUSTRALIA, COMMONWEALTH OF AUSTRALIA.

Inventor: WILLIAN JOHN DARTNALL.

Application No. 2/MAS/89 filed January 2, 1989.

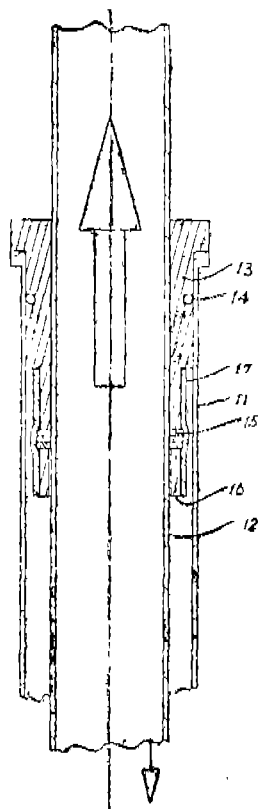
Convention date: January 12, 1988; (No. P16265; Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Madras Branch.

13 Claims

A seal for use between a pair of substantially concentric elements capable of relative movement with respect to each other; said seal comprising a sealing element having the configuration of a helix and having a length in excess of one revolution of said helix wherein the opposed axial faces of the helix are of complementary configuration and are in close abutting relationship with each other; said sealing element being formed of a wear resistant material having a low coefficient of sliding friction; said sealing element being resiliently deformable both axially and radially; said sealing element being supported from one element by a support means and being in close abutting relationship with the other element; said clamping means having a resilient flexible tubular

element extending over a radial face of said seal remote from the other element; said resilient flexible tubular element causing continuous resilient compression of the seal along its longitudinal direction inwardly from each axial end thereof and also radially in a direction against the other element.



(Com. 31 pages;

Drwgs. 5 sheets)

Ind. Cl.: 50-D&E [GROUP—VII(1)]

172802

Int. Cl.: F 25 B 29/00.

A THERMAL STORAGE UNIT.

Applicant: BALTIMORE AIRCOIL COMPANY INC.,
7595 MONTEVIDEO ROAD, JESSUP, MARYLAND 20794,
U.S.A.

Inventors:

- (1) THOMAS FRESTON CARTER.
- (2) LINDSAY LITTLE HAMAN.
- (3) ROBERT PEARCE MILLER.
- (4) EDWARD NORMAN SCHINNER.

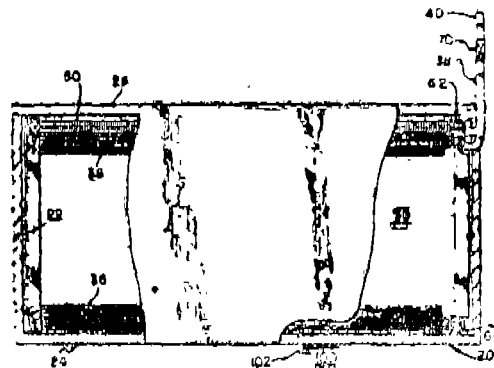
Application No. 8/MAS/89 filed January 4, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims

A thermal storage unit wherein a liquid refrigerant is flowed through a channel (36) immersed in a pool of freezable storage liquid (30) contained within a vessel (20) for the purpose of forming frozen storage liquid along said channel (36) during a storage cycle and for melting the frozen storage liquid during a cold supply cycle, said storage cycle forming a supplemental zone above said channel (36) which contains unfrozen storage liquid characterised by a supplementary conduit (50) immersible in said supplemental zone liquid and said supplementary conduit (50) being connect-

able to said channel (36) during said cold supply cycle; a system of valves (70, 84) for diverting flow of liquid refrigerant from said supplementary conduit (50) during said storage cycle; said channel (36) and one end of said supplementary conduit (50) are interconnected to a first outlet header (66) and another end of said supplementary conduit (50) is connected to a second outlet header (80) and first and second valves (70, 84) are connected respectively to said first and said second outlet headers (66, 80) to limit discharge from one of said headers.



(Com. 26 pages;

Drwgs 4 sheets)

Ind. Cl.: 196 B₂ [XXVI(4)]

172803

Int. Cl.: B 60 H 1/30.

AN AERODYNAMIC SCOOP FOR DIRECTING AIR CURRENTS ON AIRSTARVED SURFACES OF AIR COOLED ENGINE OF TWO WHEELER VEHICLES.

Applicant: TVS-SUZUKI LIMITED HARITA, HOSUR-635 109, TAMIL NADU, INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

Inventor: MEDURI NEELACHALAPATHY MURALI-KRISHNA.

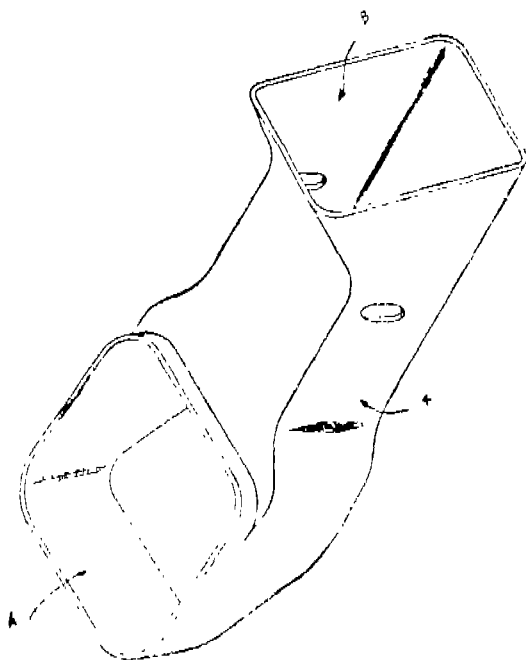
Application No. 066/MAS/89 filed on 25th January 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

2 Claims

An aerodynamic scoop for air cooled engine of two wheeler vehicles, comprising a chamber mountable in close proximity to the air-starved surface of the engine, the said chamber enclosing a passage opening out to atmosphere at the two ends thereof, the first end of the passage being flared or wide-mouthed while the second end of the passage is bent away to form a spout, such that during movement of the two

wheeler vehicle streams of air entering the passage through the first end are directed down the passage to the second end to emerge therefrom and impinge on the said air-starved surface of the engine.



(Comp. Specn. 6 pages;

Drwg 3 sheets)

Ind. Cl. : 107-K [GROUP—XI.VI(2)]

172804

Int. Cl. : F 01 L 1/46.

A REED VALVE FOR THE EXHAUST PORT OF TWO STROKE I.C. ENGINES.

Applicant : TVS-SUZUKI LIMITED, HARITA, HOSUR-635 109, TAMIL NADU, INDIA. A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

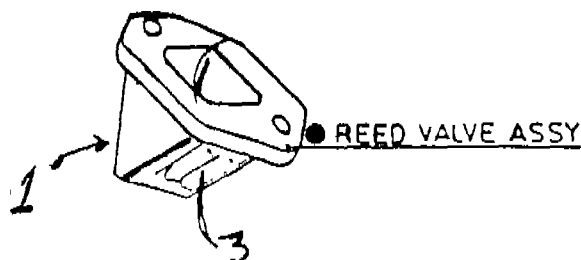
Inventor : MEDURI NEELACHALAPATHY MURALI-KRISHNA.

Application No. 67/MAS/89 filed January 25, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A reed valve for the exhaust port of a two stroke I.C. engine comprising a valve body mountable on the exhaust port of the cylinder block of the said engine, characterised in that the said valve body has the configuration of a triangular prism with an opening at the base for entry of exhaust gases from the cylinder of the said engine and outlets at the sides for exit of said gases, the said outlets being covered by two pairs of reeds disposed along the said sides, the said reeds opening to allow exhaust gases to the silencer of the engine at all positive pressures of the cylinder during the scavenging phase, and closing at or near atmospheric pressure, thus preventing free escape of fresh charge during the final stages of the scavenging phase when the transfer ports have closed and the exhaust port is still open.



(Com. 5 pages;
2—357 GI/93

Drwgs. 2 sheets)

Ind. Cl. : 152-E [GROUP—XII(2)]

172805

Int. Cl. : C 08 L 63.00.

A STORAGE STABLE POLYMERIZABLE COMPOSITION HAVING A REDUCED VISCOSITY.

Applicant : THE DOW CHEMICAL COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, OF 2030 DOW CENTER, ABOBOTT ROAD, MIDLAND, MICHIGAN 48640, U.S.A.

Inventors :

- (1) JAMES L. BERTRAM.
- (2) LOUIS L. WALKER.
- (3) JOHN W. MUSKOPF.

Application No. 70/MAS/89 filed January 27, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

41 Claims

A storage stable polymerizable composition having a reduced viscosity comprising a mixture of (A) at least one compound containing an average of more than one epoxide group per molecule (B) at least one compound containing an average of more than one aromatic hydroxyl group per molecule other than an alkenyl phenol polymer; and (C) a catalyst which is a reaction product of :

- (1) at least one compound selected from
 - (a) an onium compound of the element nitrogen, phosphorus, sulfur or arsenic,
 - (b) a non-heterocyclic amine compound or an acid adduct thereof, and
 - (c) a heterocyclic nitrogen containing compound or an acid adduct thereof, with
- (2) at least one compound selected from
 - (a) an inorganic acid free of boron or a metal salt thereof, said inorganic acid having a weak-nucleophilic anion,
 - (b) an inorganic acid containing boron or a metal salt thereof, said inorganic acid being represented by the formula BR_nR_1 wherein each R is independently hydrogen or an aliphatic, cycloaliphatic or aromatic hydrocarbyl group having from 1 to 12 carbon atoms or a halogen and R_1 is a group other than a hydrocarbyl group, and
 - (c) a combination of components (a) and (b); wherein the said components (A) and (B) are present in quantities which provide a ratio of aromatic hydroxyl groups to epoxide group of 0.05 : 1 to 20 : 1.

(Com. 92 pages;

Drwgs. 11 sheets)

Ind. Cl.: 70-B & C2 (GROUP LVIII(5))

172806

Int. Cl.: C 25 C 5/00.

AN ANODE FOR METAL ELECTROWINNING AND A METHOD OF MANUFACTURING THE ANODE.

Applicant: MOLTECH INVENT S.A., A LUXEMBOURG CORPORATION OF 68-70 BVD DE LA PETRUSSE, 2320 LUXEMBOURG.

Inventors:

- (1) NGUYEN THINH.
- (2) LAZOUNI ABDELKRIM.
- (3) DOAN KIM SON.

Application No. 141/MAS/89 filed February 21, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

An anode for metal electrowinning from molten salt electrolytes comprising a substrate of metal, alloy or cermet with a protective surface coating containing at least one cerium compound such as herein described, an electronically conductive oxygen barrier layer selected from chromium oxide containing layer; a layer containing at least one of the metals or alloys selected from platinum, palladium, gold, platinum-zirconium alloy and nickel-aluminium alloy; and an oxide ceramic layer between the said protective surface coating and the said electronically conductive oxygen barrier layer said oxide ceramic layer serving as anchorage for the said protective coating and selected from copper oxide in solid solution with at least one further oxide such as herein described; nickel ferrite; copper oxide and nickel ferrite; doped non-stoichiometric or partially substituted spinels and rare earth metal oxides or oxyfluorides.

(Com. 27 pages).

(No drawing)

Ind. Cl.: 68 D [LVII(3)], 69 D [LIX(1)].

172807

Int. Cl.: —H 02 H 9/02.

AN ELECTROMAGNETIC OVERCURRENT SENSOR.

Applicant: THE ENGLISH ELECTRIC COMPANY OF INDIA LIMITED; OF PO BOX NO. 2, PALLAVARAM, MADRAS-600 043, AN INDIAN COMPANY.

Inventors: 1. VENKATARAMANI RAMACHANDRAN,
2. NATARAJAN NAGARAJAN.

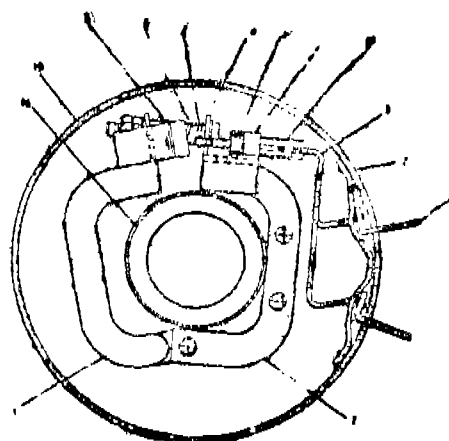
Application No. 770/MAS/89 filed on 18th October 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

An electromagnetic overcurrent sensor comprising a moving electromagnetic member and a fixed electromagnetic member hinged together at one end of each of them to form a clapper arrangement; a restraining guided spring to oppose the movement of the clapper faces; and a rigid piece with

means for registering the movement of an actuator fixed to the clapping end of the fixed electromagnetic member.



(Comp. Specn. 9 pages;

Drwg 1 sheet)

Ind. Cl.: 50-E., [GROUP—VII(1)]

172808

Int. Cl.: F 04 B 39/12.

A COMPRESSOR ASSEMBLY.

Applicant: TECUMSEH PRODUCTS COMPANY, A CORPORATION OF THE STATE OF MICHIGAN, U.S.A., OF 100 EAST PATTERSON STREET, TECUMSEH, MICHIGAN 49286, U.S.A.

Inventor: EDWIN I. GANNAWAY.

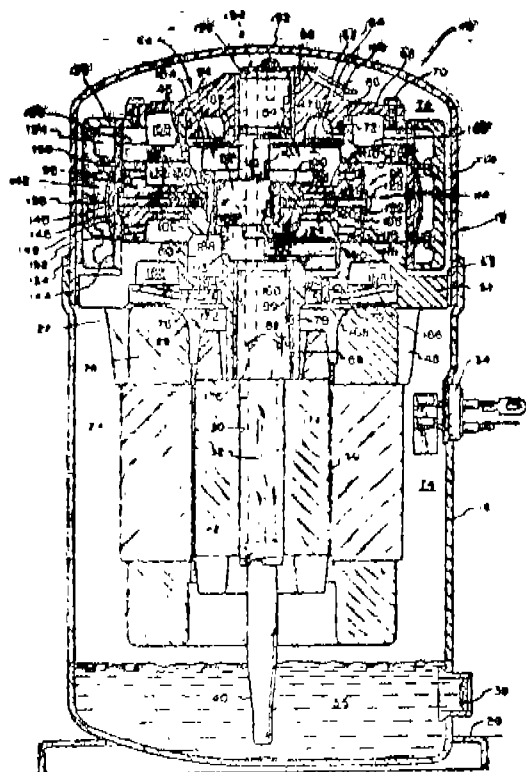
Application No. 795/MAS/89 filed October 31, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

15 Claims

A compressor assembly (10), comprising: a hermetically sealed housing (12) including a sidewall (14) and having a discharge pressure chamber (74) therein; and means arranged within said housing for compressing refrigerant, including a compressor mechanism (44) having a crankcase (46), said crankcase having a suction cavity (60) disposed therein and a suction inlet bore (206) providing communication between said suction cavity and the outside of said crankcase, characterized by said suction inlet bore extending radially outwardly from said suction cavity along an axis substantially perpendicular to said sidewall; a suction fitting (202) mounted in said sidewall, said fitting including a fitting bore (204) extending therethrough along an axis substantially perpendicular to said sidewall, said fitting bore and said suction inlet bore being generally aligned; a suction conduit (208) having a first axial end portion (210) received within said fitting bore, a second axial end portion (212) received within said suction inlet bore, and an intermediate portion (214) extending through said discharge pressure chamber; and first seal means (238, 242, 246) disposed intermediate said first end portion and said fitting bore, and second seal means (240, 244, 248) disposed intermediate said second end portion and said suction inlet bore, for sealingly engaging said conduit within said

fitting bore and said suction inlet bore, respectively, whereby said suction conduit is sealed from said discharge pressure chamber.



(Com. 32 pages;

Drwgs 3 sheets)

Ind. Cl. : 6-A₄ [GROUP—XLVII(1)].

172809

Int. Cl.⁴ : A 47 L 7 00; 7/02.

AN ATTACHMENT TO A VACUUM CLEANER FOR WET CLEANING.

Applicant: EUREKA FORBES LIMITED, AN INDIAN COMPANY, OF 7, CHAKRABERIA ROAD (SOUTH), CALCUTTA-700 025, INDIA.

Inventor: HARI SEN GUPTA.

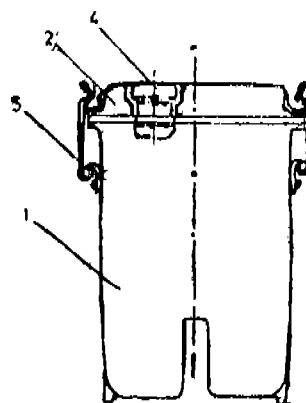
Application No. 806/MAS/89 filed November 2, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

An attachment to a vacuum cleaner for wet cleaning comprising a container (1) having a lid (2) which is held to the container by means of holding clamps (5), an inlet opening (3) and an outlet opening (4) adapted for connection to the cleaning hose and the vacuum cleaner respectively, plurality of baffles (6) are held between the two sides of the container in the vertical plane leaving clearance at the bottom of the container, for obstructing the mixture of dirt, liquid and air sucked through the inlet opening, then separating the air from

liquid and dirt allowing only the air to pass through the outlet opening (4) and collecting the liquid with dirt at the bottom of the container.



(Com. 4 pages;

Drwgs. 1 sheet)

Ind. Cl. : 6-A₄ [GROUP—XLVII(1)]

172810

Int. Cl.⁴ : A 47 L 7/00; 7/02.

AN ATTACHMENT FOR A VACUUM CLEANER FOR WET AND DRY CLEANING.

Applicant: EUREKA FORBES LIMITED, AN INDIAN COMPANY, OF 7, CHAKRABERIA ROAD (SOUTH), CALCUTTA-700 025, INDIA.

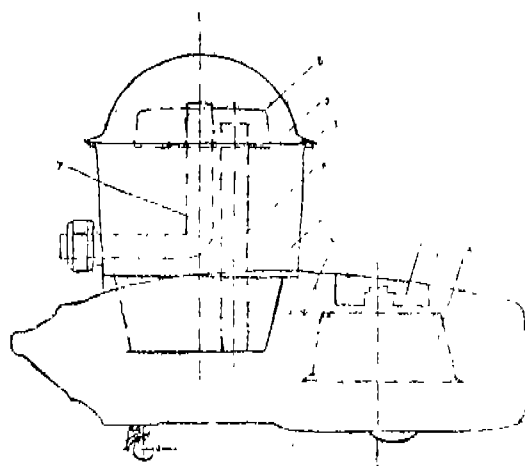
Inventor: HARI SEN GUPTA.

Application No. 807/MAS/89 filed November 2, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

An attachment for a vacuum cleaner for wet and dry cleaning comprising an air separator consisting of an L-shaped inlet pipe (7) having a liquid guard (5) fixed at the top end just below the top opening of the inlet pipe (7) and an outlet pipe placed below the liquid guard, the said air separator being housed in a container (1) with a lid (2) fixed to the container with a gasket (3) between the peripheral surfaces joining the container and the lid, wherein the inlet of the inlet pipe is brought outside the container through the top opening of the container, the cleaning hose and the bottom portion of the outlet tube (6) is connected to the air inlet of the vacuum cleaner.



(Com. 4 pages;

Drwg 1 sheet)

Ind. Cl. : 204 [GROUP XLI 10)].

172811

10 Claims

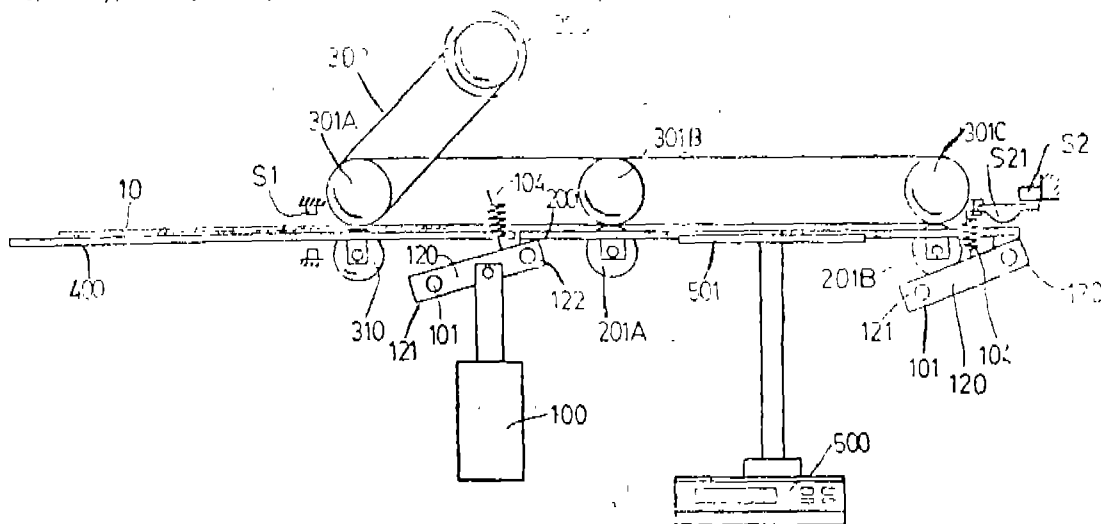
Int. Cl.⁴ : G 01 G 19/00.

A DEVICE FOR WEIGHING OBJECTS DURING THE
CONVEYANCE OF SAID OBJECTS.

Applicant & Inventor: WU SHENG-JUNG, A CITIZEN
OF THE REPUBLIC OF CHINA, OF NO. 10, ALLEY 30,
LANE 59, SEC. 5, NANKING EAST ROAD, TAIPEI
10571, TAIWAN, REPUBLIC OF CHINA.

Application No. 866/MAS/88 filed on 5th December 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.



(Com. Specn. 14 pages;

Drgs. 5 sheets)

Ind. Cl. : 164-A [GROUP-II(3)]

172812

Int. Cl.⁴ : C 02 F 3/26.

A PROCESS FOR PURIFYING WASTEWATER CONTAINING ORGANIC AND ADSORBABLE POLLUTANTS.

Applicant: ZIMPRO/PASSAVANT INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF WISCONSIN OF 301, WEST MILITARY ROAD, ROTHSCHILD, WISCONSIN-54474, U.S.A.

Inventors: (1) WILLIAM M. COPA, (2) THOMAS J. VOLLESTEDT.

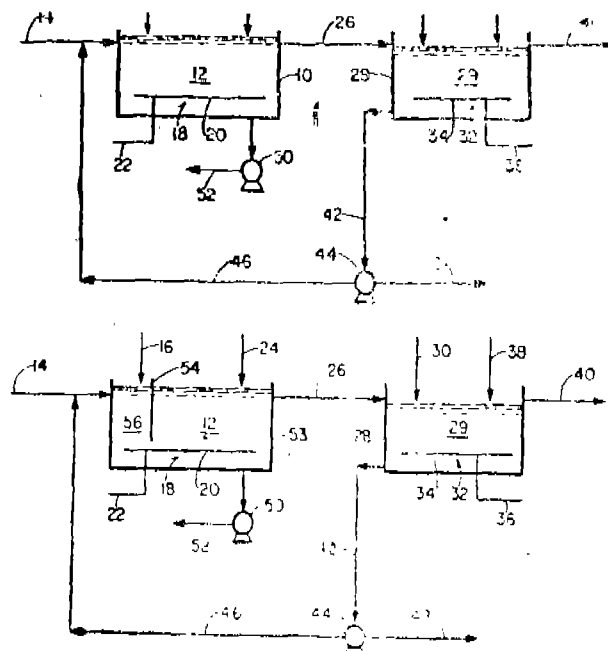
Application No. 867/MAS/88 filed on December 6, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

16 Claims

A process for purifying wastewater containing organic and adsorbable pollutants comprising the steps of:

- (a) introducing a predetermined quantity of the wastewater into a primary treatment zone having an aeration and settling zone;
- (b) aerating the wastewater in said aeration and settling zone with an oxygen-containing gas in the presence of a powdered adsorbent such as herein described and biologically active solids such as herein described;
- (c) terminating aeration and retaining the wastewater after step (b) in said aerating and settling zone till the solids therein are settled by gravity and produce a first solids phase and a first aqueous phase containing a first predetermined level of solids;
- (d) withdrawing a predetermined amount of said first aqueous phase from said aeration and settling zone and transferring the same into a contact zone;
- (e) agitating said first aqueous phase in said contact zone in the presence of a powdered adsorbent such as herein des-



(Com. 26 pages; Drwgs 1 sheet of size 32.00 cms. by 44.00 cms.)

Ind. Cl. : 48-A1 [GROUP LVIII(3)].

172813

Int. Cl.⁴ : H 02 G 15/04.

outer edge to each said cable bore, with said slit arrangement in said first end cap to a said bore being aligned non-coplanar with respect to the slit arrangement in said second end cap to said bore.

8

AN END CAP CLOSURE.

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF DELAWARE, U.S.A., OF 3M CENTER, SAINT PAUL, MINNESOTA 55144-100, U.S.A.

Inventors :

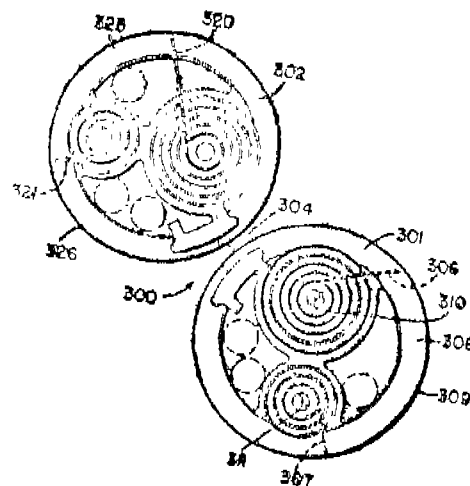
- (1) KENNETH D. REBERS.
- (2) WILLIAM J. SEIM.
- (3) DEAN C. KRENZ.

Application No. 880/MAS/88 filed on December 12, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

An end cap closure for sealing an end of a splice closure around at least one cable member being directed therein; said end cap closure comprising a wall member having an outer edge and at least one longitudinal cable bore; each cable bore being defined by a plurality of substantially concentric ring members spaced from one another by transverse wall sections; said transverse wall sections being positioned centrally along a longitudinal extension of said ring members and bore to define, with said ring members, a ridge/trough arrangement of alternating ridges and troughs; ridges defined thereby being directed in both of opposite longitudinal directions from said transverse wall sections; and said transverse wall sections on opposite sides of each associated ring member being longitudinally spaced from one another to form a discontinuous central wall extending through said concentric ring members substantially normal thereto; characterized by the feature that said wall member is defined by first and second end caps (39, 40; 301, 302) positioned against one another to define said discontinuous central wall, and that mounting means are constructed and arranged to mount said end caps on a cable member directed through said bore; said mounting means having a cable slit arrangement in each said end cap adapted to communicate from said wall member



(Com. 34 pages;

Drawgs. 6 sheets)

Ind. Cl. : 172-D₂ [GROUP—XX].

172814

Int. Cl.⁴ : D 01 H 9/00; 13/00.

A DEVICE FOR MANUFACTURING A CROSS-WOUND PACKAGE OF YARN AND A METHOD THEREOF.

Applicant : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESSELLSCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, D-8070 INGOLSTADT, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventor : DIETMAR GREIS.

Application No. 905/MAS/88 filed on December 21, 1988.

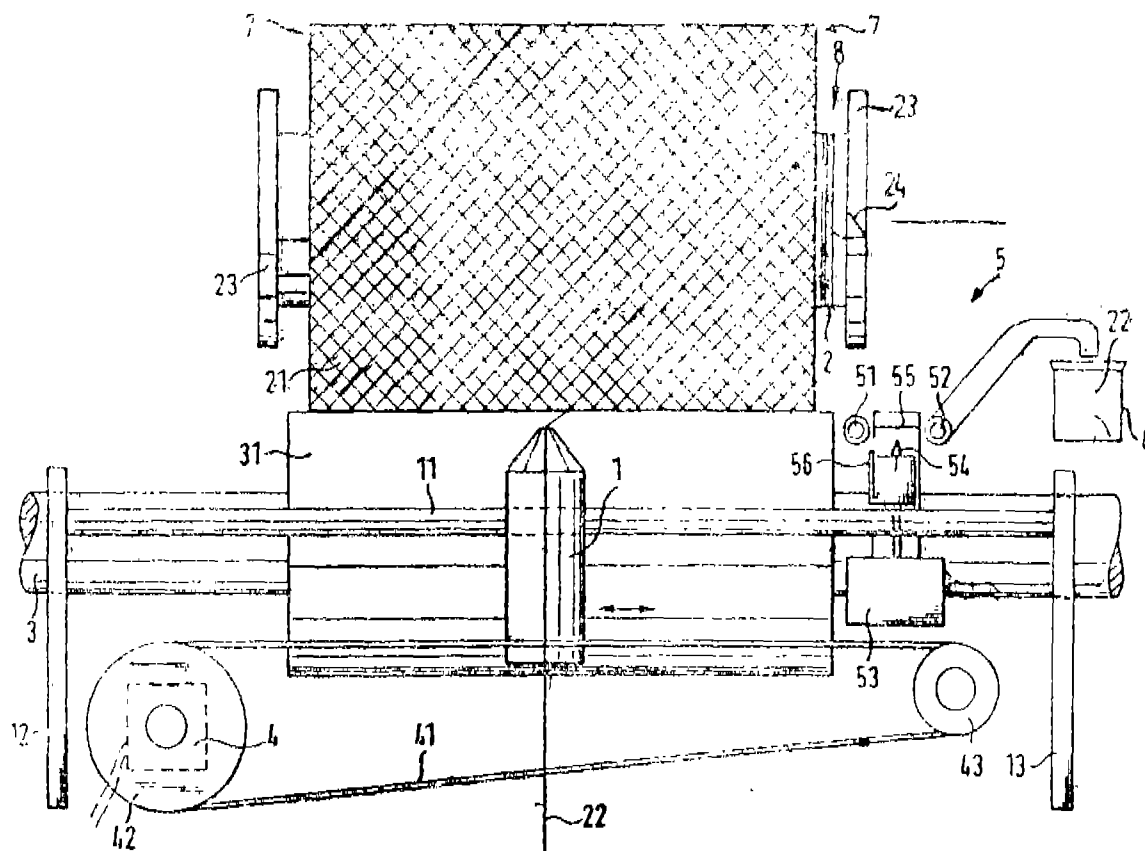
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

20 Claims

A device for manufacturing a cross-wound package of yarn comprising a reciprocating carrier on which a yarn guide is fixed for guiding a yarn in a winding region, the said reciprocating carrier is a continuous belt which is driven by a

microprocessor-controlled stepping motor (4) and extends over the winding region (7), and a combination (5) of a yarn

take-off means (51, 52) cutting means (53, 54) and lifting means (56) disposed next to the winding region (7).



(Com. 17 pages;

Drwg 1 sheet)

Ind. Cl.: 116-C (GROUP—XLIX)

172815

Int. Cl.: B 65 G 17/10.

A DEVICE FOR CONVEYING AND DEPOSITING AN ADHESIVE FLEXIBLE MATERIAL.

Applicant: INSTITUTET FÖR VERKSTADSTEKNISK FORSKNING, A SWEDISH COMPANY, OF 85 MOJNDALSVAGEN, S-412 85 GÖTEBORG, SWEDEN.

Inventor: GÖRAN PALMERS.

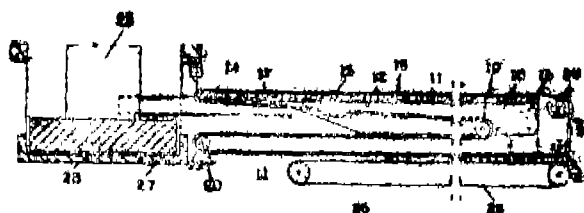
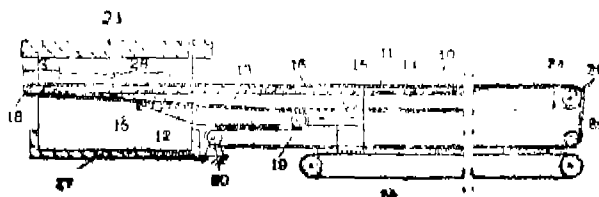
Application No. 863/MAS/88 filed December 2, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Madras Branch.

12 Claims

A device for conveying and depositing an adhesive, flexible material (28) comprising at least one flexible base (10), at least one supporting device (12) supporting the base (10) and being displaceable in a longitudinal direction to and from the deposition station (27) and having at one of its ends a guiding member (18) having a front end normally facing the deposition station, the front end having a radius of curvature (r), to impart to the base direction change, at least one blocking device (24) for selectively blocking displacement of the base a first driving device for displacing the base (10), and a second driving device for driving the supporting device (12), the front end of the said supporting device (12) is designed as a guiding member (18) with a very little, sharp edged radius of curvature, that the said base (10) is led around the

said guiding member (18) in a abrupt bend and connected to the said supporting device (12), a driving device for the said supporting device (12) is provided to retract the supporting device in the direction away from the deposition station (27) by a rapid pull, and a brake (24) for blocking the displacement of the upper part of the said base (10) and connecting the lower part of the said base (10) to the driving device during the tearing off moment.



(Com. 24 pages;

Drwgs. 10

Ind. Cl. : 164-A-[GROUP-II (3)]

172816

6 Claims

Int. Cl.⁴ C 02 F 3/26.

A TWO STAGE PROCESS FOR PURIFYING WASTE-WATER CONTAINING ORGANIC AND ABSORBABLE POLLUTANTS

Applicant: ZIMPRO/PASSAVANT INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF WISCONSIN OF 301 WEST MILITARY ROAD, ROTHSCHILD, WISCONSIN 54474, U. S. A.

Inventors: (1) WILLIAM MARVIN COPA
(2) THOMAS JAMES VOLLSTEDT.

Application No. 836/MAS/88 filed November 30, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A two stage process for purifying wastewater containing organic and absorbable pollutants comprising the steps of

(a) introducing wastewater into an aeration zone of a primary treatment zone having an aeration zone and a quiescent zone substantially isolated from and in continuous fluid communication with said aeration zone;

(b) continuously aerating the wastewater with an oxygen containing gas in said aeration zone in the presence of sufficient amounts of a powdered absorbant such as herein described and biologically active solids to reduce the BOD, COD and TOC to a first desired level passing said aerated wastewater from said aeration zone into said quiescent zone;

(c) retaining said aerated wastewater in said quiescent zone for a sufficient time for solids therein to settle by gravity and produce a first solids phase and a first aqueous phase containing not more than a predetermined amount of said solids;

(d) transferring said first aqueous phase from said quiescent zone into a contact zone;

(e) agitating said first aqueous phase in said contact zone in the presence of a powdered absorbant such as herein described for an agitation period sufficient to reduce the BOD, COD and TOC to a final desired level and

(f) terminating agitation and allowing solids in said first aqueous phase in said contact zone to settle by gravity for a settling period sufficient to produce a classified, substantially solids-free second aqueous phase and a solids phase.

(Com. 27 pages; Drwgs 1 sheet of size 33.00 cms. by 41.00 cms.)

Ind. Cl. 48A, [LVIII(3)].

172817

Int. Cl.⁴ H 01 B 11/22.

"AN APPARATUS FOR INSTALLING AT LEAST ONE OPTICAL FIBRE MEMBER IN A TUBULAR PASSAGEWAY"

Applicant: BIOC plc., and Corning Limited both British companies of Devonshire House, Mayfair place London W1X 8FH England and Wear Glass Works, Sunderland, SR4 6EY England.

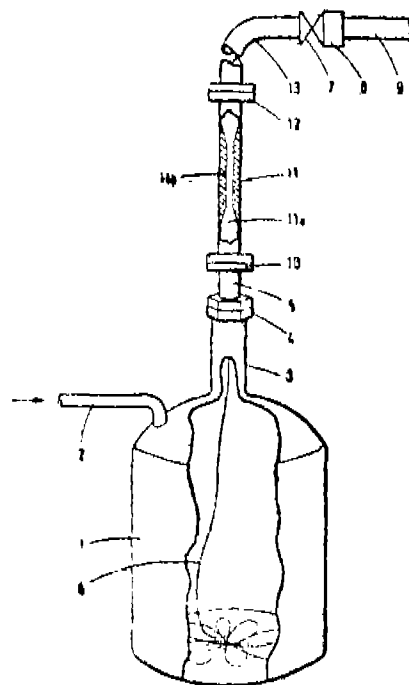
Inventors: 1. GRAHAM ROBERT HANDLEY.
2. NEVILLE JAMES RADCLIFFE,
3. RONALD BYROM RADCLIFFE.

Application No. 828/MAS/88 filed on 25th November 1988.

Convention Date : 25-11-1987 No. 8727581 (Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

An apparatus for installing at least one optical fibre member in a tubular passageway, comprising a pressure vessel for containing a supply of the optical fibre member, the vessel either containing a gas above atmospheric pressure or being provided with an inlet by means of which such gas can be introduced; means defining a path for the optical fibre member and gas to travel from the vessel into the tubular passageway; and fibre introducing means for exerting a fluid dynamic force on the optical fibre member to create slack in the optical fibre member as it travels along the said path.



(Com. specn. 13 pages;

Drwgs 3 sheets)

Ind. Cl. 32-B & 32-F, 3(c) [GROUP IX(1)].

172818

Int. Cl.⁴ : C 07 C 5/00; 29/00.

A LIQUID PHASE CATALYTIC HYDROGENATION PROCESS

Applicant : DAVY McKEE (LONDON) LIMITED, A BRITISH COMPANY OF 250 EUSTON ROAD, LONDON NW1 2PG, ENGLAND.

Inventors: (1) GEORGE EDWIN HARRISON
(2) ALAN JAMES DENNIS.

Application: No. 853/MAS/88 filed November 30, 1988.

Convention date: December 2, 1987; (No. 8728156; United Kingdom)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A liquid phase catalytic hydrogenation process in which an organic feedstock such as herein described is contacted with hydrogen in the presence of a solid hydrogenation catalyst under hydrogenation conditions to produce a hydrogenated product, comprising the steps of passing a feed solution of the organic feedstock in an inert diluent therefor downwardly in co-current with a hydrogen-containing gas through a hydrogenation zone containing a bed of a particulate hydrogenation catalyst whose particles lie in the range of from 0.5 mm to 5 mm maintaining the bed of catalyst particles under temperature and pressure conditions conducive to hydrogenation recovering

from a bottom part of the bed a liquid phase containing the hydrogenated product, controlling the rate of supply of the feed solution to the bed to maintain a superficial liquid velocity of the liquid down the bed in the range of from 1.5 cm/sec to 5 cm/sec, and controlling the rate of supply of the hydrogen-containing gas to the bed at the said rate of supply of feed solution to create a pressure drop across the bed of at least 0.1 kg/cm² per metre of bed depth and maintain at the top surface of the bed of catalyst particles a flow of hydrogen-containing gas with 1.00 to 1.15 times the stoichiometric quantity of hydrogen theoretically necessary to convert the organic feedstock completely to the hydrogenated product and ensuring that all parts of the bed are subjected to forced irrigation with liquid containing entrained bubbles of hydrogen-containing gas.

(Com. 64 pages;

Drwgs. 10 sheets)

Ind. Cl. : 33-D&H [GROUP—XXXIII(3)] 172819

Int. Cl.⁴ : B 22 D 11/16; 11/14.

PROCESS AND APPARATUS FOR PREPARING AN ALLOY.

Applicant : INLAND STEEL COMPANY, OF 30 WEST MONROE STREET, CHICAGO, ILLINOIS 60603, U.S.A., A DELAWARE CORPORATION.

Inventors :

- (1) ANTHONY T. PETERS.
- (2) DONALD R. FOSNACHT.
- (3) JOHN R. KNOEPKE.

Application No. 831/MAS/88 filed November 25, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

26 Claims

In a process for preparing an alloy wherein said process comprises the steps of (a) directing a descending stream of molten metal into a container to form a bath of molten metal therein, (b) transporting an alloying ingredient toward said bath, (c) directing said alloying ingredient into the molten metal that forms said bath, and (d) withdrawing, from said container, molten metal containing said alloying ingredient, said method being characterized in that said directing step (c) comprises one of the following expedients (i) or (ii) :

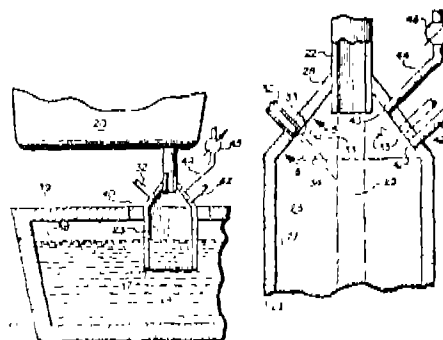
(i) melting said alloying ingredient into molten form and directing said molten alloying ingredient into said descending stream of molten metal at a first location, on said stream, without employing a carrier gas for said alloying ingredient;

providing, from another location and during at least part of said step (a), a gas which can expand adjacent said first location;

and restricting the amount of said expandable gas adjacent said first location, to reduce the cooling effect resulting from such as expansion;

(ii) melting said alloying ingredient into molten form and injecting said molten alloying ingredient into said bath, below the surface thereof, at an injection location adjacent and substantially directly below the location where said stream of molten metal enters said bath;

and protecting said molten alloying ingredient from the atmosphere outside said container during said transporting and directing steps.



(Com. 29 pages;

Drwgs 2 sheets)

Ind. Cl. : 158-D&E384 [GROUP—LII(7)] 172820

Int. Cl.⁴ : B 61 F 5/14.

A RAILWAY CAR RESILIENT SIDE BEARING ASSEMBLY.

Applicant : AMERICAN STANDARD INC., OF 40 WEST, 40TH STREET, NEW YORK, NEW YORK 10018, U.S.A., A DELAWARE CORPORATION.

Inventor : WALTER H. MERKER, JR.

Application No. 918/MAS.88 filed December 26, 1988.

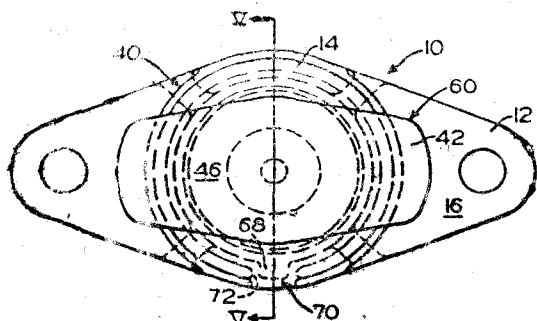
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

29 Claims

A railway car resilient side bearing assembly which provides a supplemental support between a car body portion and a truck portion of said railway car and a means of transmitting said car body portion rocking forces into a spring system mounted on said truck portion, said side bearing assembly comprising :

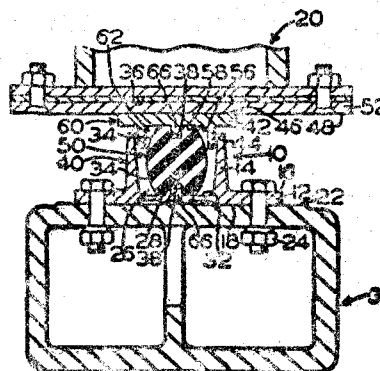
- (a) a housing member which comprises a base portion and an upstanding body portion secured to an upper surface of said base portion, said base portion engageable with said truck portion, said upstanding body portion extends upwardly from said upper surface of said base portion and forms a cavity in said housing member;
- (b) a resilient spring block having at least a first substantial portion thereof disposed within said cavity of said housing member such that a lower surface of said resilient spring block abuttingly engages a portion of said upper surface of said base portion of said housing member, said resilient spring block having a convexly tapered portion adjacent each of an upper surface and said lower surface, said resilient spring block providing a preload to said side bearing assembly;
- (c) an at least one aperture formed in each end of said resilient spring block substantially in axial alignment with a longitudinal centerline of said resilient spring block;
- (d) a friction head member which comprises a plate portion and a downwardly extending rim portion secured to said plate portion, said plate portion having an upper friction surface which frictionally engages a wearplate secured to an underside of said railway car and a lower surface disposed axially opposite said upper friction surface, said upper friction surface of said plate portion having a predetermined shape which ensures that a substantial portion of

said upper friction surface remains in frictional engagement with said wearplate during cycling of said truck portion, at least a portion of said lower surface of said plate portion abuttingly engages said upper surface of said spring block, said downwardly extending rim portion extends downwardly from said lower surface of said plate portion and forms a cavity in said friction head member which surrounds a second portion of said spring block adjacent said upper surface, said downwardly extending rim portion is positioned for reciprocal movement within said cavity in said housing member;



(Com. 40 pages;

- (e) an at least one peg means, secured substantially perpendicular to and substantially at a geometric center of each of said upper surface of said base portion of said housing member and said lower surface of said plate portion of said friction head member, which engage a respective one of said at least one aperture in said each end of said spring block for maintaining said resilient side bearing assembly together; and
- (f) an indicator means having a first portion positioned on said friction head member and a second portion positioned on said housing member for indicating a nominal working height of said side bearing assembly after the installation.



Drwgs 4 sheets)

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The claim made by EUREKA FORBES LTD. in connection with Patent Application No. 806/MAS/89 (172809) has been allowed.

The claim made by EUREKA FORBES LTD. in connection with Patent Application No. 807/MAS/89 (172810) has been allowed.

PATENT SEALED

ON 05-11-1993

170704 170717* 170718 170779 170791* 170805 170810*
170830* 170865 170884 170885 170912 170923 170933
170954* 171001 171034* 171073 171121 171180 171181
171182* 171184 171185 171187 171188 171191* 171192*
171193 171194* 171195* 171196 171197* 171198 171199
171200* 171201 171203 171204 171205,

CAL-18, MAS-01, DEL-12, BOM-09.

*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of Sealing.

D—DRUG PATENT, F—FOOD PATENT.

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by Keystone International Holdings Corporation of 2625, Concord pike Wilmington Delaware 19803 U.S.A. in respect of Patent application No. 160980 (942/Del/84) as advertised in Part III, Section 2 of the Gazette of India dated 18-03-89 have been allowed.

Notice is hereby given that Dyson Industries Limited 381, Fulwood Road, Sheffield S10 3GB England has made an application on form 29 under section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 171364(697/D/87) for A method of making a precursor for a catalyst.

The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005, or

copies of the same can be had on payment of usual copying charges.

Any person interested in opposing the application for amendment may file a notice of apposition in form-30 within three months from the date of this notification at patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

152826 153097 153143 153288 153437 153607 153872 154055
154056 154079 154232 154284 154291 154376 154378 155365
155593 155670 156234 156313 156561 156673 156690 156807
157306 157317 157321 157534 157616 157852 157957 158070
158164 158552 159507 159799 160621 161016 161156 161463
161558 161839 161982 161990 162143 162165 162307 162426
162550 162661 162729 162771 162944 162971 162983 162988
163010 163148 163156 163291 163342 163382 163828 164141
164507 164522 164577 164664 164756 164764 164789 164790
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166279 166333 166450 166606 166684 166773 166873 166886
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170545 170546 170556 170569 170662 170663 170675 170856
170880 170887 170888 170927 170928 170936 170959 170976
171009 171032 171035 171316 171466.

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 156586 dated the 20th October 1983 made by Ion Exchange (India) Ltd. on the 1st April 1993 and notified in the Gazette of India Part III, Section 2, dated the 19th June 1993 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 166199 dated the 8th July 1988 made by Mrs. Krishna Das & Tushar Kanti Das on the 7th April 1993 and notified in the Gazette of India Part III, Section 2, dated the 19th June 1993 has been allowed and the said patent restored.

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 168898 granted to Cincinnati Milacron, Inc. for an invention relating to "a process and apparatus for manufacturing pipes and like cross sections out of thermoplastic plastics."

The Patent ceased on the 16th Dec. 1992 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2 dated the 6th November 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta 700 020 on or before the 4th Feb. 1994, under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF ASSIGNMENTS LICENCES ETC. (PATENTS)

Assignments, Licences or other transaction affecting the interest of the original patentee have been registered in the following case.

The number of each case is followed by the name of the parties claiming interest :—

164864—AMERICAN HOME PRODUCTS CORPORATION.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the entries is the date of registration of the design included in the entry.

Class 1. No. 165120. Ingenious Appliances Pvt. Ltd., Indian Company of 30, Najafgarh Road, New Delhi-110015, India. "Oven". December 17, 1992.

Class 1. No. 165179. The Atlas Cycle Industries Ltd., Sonapat, Haryana, India. "Exerciser". January 8, 1993.

Class 1. Nos. 165645 & 165646, Amir Badruddin Petiwala of Consolidated Steel Mfg. Co., Gala No. 4B, Maulana Azad Road, Bombay-400008, Maharashtra, India. "Trunk". May 17, 1993.

Class 3. No. 164708. Ashish Enterprises of 1, Jayashree Apartments, 148/A, S.V. Road, Arving Colony, Irla, Vile Parie (W), Bombay-400056, Maharashtra, India. "Pen Set Box". August 26, 1992.

Class 3. No. 164873. Sinter Plast containers of The Bharat Vijay Mills Ltd. of Kalol (North Gujarat), Pin : 382721, Gujarat, India. "Pallet". October 8, 1992.

Class 3. No. 165012. Vinayak Narayan Rashinkar of 1098/15, Chandan Apts, Model Colony, Pune-411016, Maharashtra, India. "Thickness measuring calliper". November 18, 1992.

Class 3. No. 165013. Chaitanya Vinayak Rashinkar of 1098/15, Chandan Apts Model Colony, Pune-411016, Maharashtra, India. "Dhoopdani with bulb", November 18, 1992.

Class 3. No. 165335. Hindustan Lever Ltd. of 165/166, Backbay Reclamation, Bombay-400020, Maharashtra, India. "Toothbrush". February 15, 1993.

Class 3. Nos. 165437 & 165438. Sonia Engineering Works (P) Ltd. of G-1/3, G.T. Karnal Road, Industrial Area, Delhi, India, Indian Co. "Handle of Pressure Cooker". March 18, 1993.

Class 3. No. 165731. Concorde Agro Sprayers Pvt. Ltd. of 107/B, Dayanand Nagar, Lawrance Road, Amritsar-143001, Punjab, India. Indian Company. "Plant protection swivel type contineous hand sprayer". June 9, 1993.

Class 3. Nos. 165803 & 165804. Standipack Pvt. Ltd. of 25, Community Centre, East of Kailash, New Delhi-110065, India, Indian Company. "Pouch". June 28, 1993.

Class 3. No. 165836. Hindustan Lever Limited of 165/166, Backbay Reclamation, Bombay-400020, Maharashtra, India. "Pump Spray Bottle". July 5, 1993.

Class 3. No. 165865. Eureka Forbes Ltd. of K-309, 1st Main Road, 5th Block, Koramangala, Bangalore-560095, Karnataka, India, Indian Co. "Euroair Demo Unit". July 14, 1993.

Class 3. Nos. 166065 to 166067. Recon Enterprises Pvt. Ltd. of M. Vasanji Road, J. B. Nagar, Bombay-400059, Maharashtra, India, Indian Company. "Container". August 23, 1993.

Class 3. No. 166171. Docbel Industries of 3/17A, Asaf Ali Road, New Delhi-110002, India, Indian proprietary Firm. "Weighing Machine". September 16, 1993.

Class 4. Nos. 165530 to 165532. Window Glass Limited of E. 2/3, Gillander House, No. 8, Netaji Subhas Road, Calcutta-700001, W.B., India, Indian Company. "Glass Sheet". April 13, 1993.

Class 5. No. 165999. Tata Tea Limited, 1, Bishop Lefroy Road, Calcutta-700020, W.B., India, Indian Company. "Pouch". August 6, 1993.

Class 6. No. 165585. Ginni Photo Products of Shop No. 8, Suman Market, Esplanade Road, Delhi-110006, India. "Bag". April 26, 1993.

Class 10. No. 165388. Liberty Group Marketing Division, of Liberty House Extension, Karnal, Haryana, India, Indian Partnership Firm. "Sole of the shoes". March 1, 1993.

Class 10. Nos. 165400 to 165404. Alert India. Partnership Firm of A/137/6, Group Industrial Area, Wazirpur, Delhi-110052, India. "Sole of footwear". March 4, 1993.

Class 10. Nos. 165545 to 165549. Aaraay Products Pvt. Ltd. of C/1, S.M.A. Industrial Estate, G.T. Karnal Road, Delhi-33, India. "Footwear". April 20, 1993.

Class 10. No. 165584. Liberty Group Marketing Division, Liberty House Extension, Karnal, Haryana, India, Indian Partnership Concern. "Sole of the shoe". April 26, 1993.

Class 12. No. 164989. Richie Rich Products of A-18, Ram House, Middle Circle, Connaught Place, New Delhi-110001, India. Indian Proprietary Firm, "Toy Alligator Fisherman made of fabrics". November 13, 1992.

Class 12. No. 164990. —do—. "Toy Gorilla made of fabrics". November 13, 1992.

Class 12. No. 164991. —do—. "Toy hen made of fabrics". November 13, 1992.

R. A. ACHARYA
Controller General of Patents Designs and
Trade Marks

प्रबन्धक, भारत सरकार मुद्रणालय, फरीदाबाद द्वारा मुद्रित

एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1993

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AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 1993